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Bibliography of Well-Log Applications
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by

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Introduction

The purpose of this bibliography is to emphasize the *application* and various uses of well-log data. The topical organization is loosely based on research interests within the U.S. Geological Survey (USGS). The following general criteria are applied to papers to determine whether they will be included: 1) the paper must be written in English, 2) it must be obtainable by a research library, and 3) most of the paper should discuss a particular application of well-log data or have immediate impact on the use of such data. Consequently, papers concerning theoretical or mathematical subjects (i.e., modeling), instrumentation design and development, and laboratory research, are generally excluded. For lack of space, abstracts are excluded (except for extended abstracts) and cross-indexing has been kept to a minimum. This update has over 650 new and updated references.

I wish to acknowledge the assistance of the staff at the Denver branch of the USGS library, especially that of Ms. Susann Powers. Their diligence, in tracking down and obtaining the papers listed herein, has made this bibliography possible.

PART A: BASIC WELL LOGGING

1. FUNDAMENTALS OF WELL LOGGING AND WELL-LOG INTERPRETATION

I. Books and General Review Papers

Aguilera, R., Cordell, G.M., Nicholl, G.W., Artindale, J.S., Ng, M.C., and Runions, 1991, Well logging, chapter 4, in Horizontal wells: Gulf Publishing Company, Houston, Texas, p. 127-155.

Atlas Wireline Services, 1992, Introduction to wireline log analysis: Western Atlas International, Inc., Houston, Texas, 312 p.

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Paillet, F.L., and Cheng, C.H., 1991, Acoustic waves in boreholes: CRC Press, Boca Raton, Florida, 264 p.

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II. General Formation Evaluation(Including Petrophysics and Case Histories);

Electric (Resistivity) Logging

(See also VII. Shaly sand; 18. Mineral evaluation)

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III. MWD (Measurement While Drilling); Horizontal Wells/Drilling

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(See also V. Nuclear logging)

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XII. Conditions and Special Situations Affecting Tool Response

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WELLBORE BREAKOUTS AND IN SITU STRESS ANALYSIS**
(See also 19. Ground water; 20. Igneous rocks; 21. Geothermal logging)

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16. PERMAFROST AND GAS HYDRATES

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17. EVAPORITES

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(See also 15. Fracture detection; 20. Igneous rocks)

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(See also XI. Temperature logging; 15. Fracture detection;
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